

# Chandler Phung

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Target Roles: Machine Learning Intern | Data Science Intern | Software Engineering Intern

## EDUCATION

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**University of Alabama at Birmingham**

**Birmingham, AL**

*MS, Computer Science*

**Expected, December 2026**

Relevant Coursework: Advanced Data Structures & Applications, Machine Learning, NLP (Natural Language Processing), GPU Programming, Deep Learning, Foundations of Data Science

*BA, Computer Science*

**December, 2024**

*BS, Kinesiology with a concentration in exercise science*

**May, 2023**

## SKILLS

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**Programming & Development:** Python, Java, C/C++, JavaScript, HTML, CSS, React, Angular, Bootstrap, Node.js, Express.js, Flask, FastAPI

**Machine Learning & Deep Learning:** Scikit-learn, PyTorch, OpenCV, DeepFace

**Data Manipulation & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Jupyter, Google Colab

**Databases:** MySQL, PostgreSQL, MongoDB

**Cloud & Deployment:** AWS EC2, AWS RDS

**Version Control:** Git, GitHub

**Tools & Automation:** RESTful APIs, OAuth2, PyAutoGUI, Tkinter

## TECHNICAL EXPERIENCE

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### Facial Recognition Authentication System

**December 2025 – January 2026**

- Developed a real-time facial recognition system for multi-user authentication with live webcam input.
- Implemented face detection, identity verification, and confidence-based access control, achieving consistent recognition across varied lighting conditions.
- Automated user-specific application login, enabling seamless multi-user PC authentication for software and games.
- Designed a GUI for account selection and optimized verification frequency to balance performance and accuracy.

### Cloud Hosted Spotify Alarm Clock Automation

**December 2025 – January 2026**

- Built backend integrating Spotify Web API to automate playlist playback based on scheduled triggers using OAuth2 authentication.
- Managed PostgreSQL database on AWS RDS for secure token and session storage.
- Implemented automated playback logic with token refresh handling and REST endpoints for reliable cloud-hosted execution.
- Deployed on AWS EC2, ensuring persistent background operation and external accessibility.